WHAT IS CLAIMED IS:

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1. A food shaping device for forming a three-layered food comprising:

at least two first guide units which are longitudinally arranged; each guide unit being a tapered cylinder; an interior of each first guide unit having a first screw propeller having blades; a dough entering into the guide unit from an upper end of each first guide unit and then being transferred for being further processed;

at least two guide devices being horizontally arranged; each guide device being below and connected to a respective one of the two first guide units; each guide device including:

a longitudinal first receiving tank; an inner wall of the first receiving tank being formed with a first path; another longitudinal receiving tank being arranged adjacent to the receiving tank; a wall of the second receiving tank being installed with convex strips and concave portions; a guide hole serving to communicate the first receiving tank and the second receiving tank; an upper opening of the receiving tank being communicated to the first guide unit; a dough being guided by the screw propeller to the second receiving tank and then through the guide hole to the first receiving tank;

a turbine pump being horizontally arranged to the first receiving tank so as to form a propeller for changing direction of the dough in the first receiving tank so that the dough in the guide hole is fed into the first path; a food output unit for outputting a cylindrical food including:

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a main tube having a left inlet, a right inlet and a longitudinal through hole;

a middle tube having a longitudinal through hole and an lateral inlet; the middle tube being engaged to the longitudinal through hole of the main tube;

an inner tube having a longitudinal through hole and being engaged to the longitudinal through hole of the middle tube;

an inner circular path being formed between the inner tube and the middle tube; a cylindrical second guide unit being connected to an upper opening of the inner tube; an inner wall of the inner tube being installed with convex strips and concave portions;

an inner material guiding nozzle having a longitudinal inner material guiding holes; the inner material guiding nozzle being firmly secured to a lower opening of the middle tube;

an outer material guiding nozzle being a longitudinal outer material guiding hole firmly secured to a lower opening of the longitudinal path of the main tube; an outer circular path being formed between the inner material guiding nozzle and the outer material guiding nozzle;

wherein the second screw propeller has blades; the second screw propeller is pivotally connected to the second guide unit and the longitudinal path of the inner tube; the stuffing is filled into the second guide unit; then the stuffing is pushed to the output end of the inner tube by the second screw propeller to be as an inner layer material of the cylindrical food;

wherein the dough is fed into the left and right inlets of the main tube from the two first paths; the dough will collide horizontally to the wall of the middle tube; thus the moving direction of the dough is changed to a longitudinal direction so that the dough moves longitudinally in the longitudinal path of the main tube; then the dough passes through the outer circular path to be outputted to be as an outer layer material;

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wherein part of the dough horizontally passes through the transversal inlet of the middle tube and collides an outer wall of the inner tube; then the dough is guided by the inner circular path and outputted as a middle layer material; thus a three layers cylindrical food is formed.

- 2. The food shaping device for forming a three-layered food as claimed in claim 1, wherein the inner wall of the inner tube is formed with a plurality of convex strips and a plurality of concave portions.
 - 3. The food shaping device for forming a three-layered food as claimed in claim 1, further comprising:

a disk seat having a rotary shaft at a center thereof; the disk seat being installed above the inner tube; a guide hole being installed on the disk seat; the guide hole being communicated to the longitudinal path of the inner tube;

a rotary disk with a plurality of material guide holes therein being passed by the rotary shaft; wherein when the rotary disk rotates, one of the material guide hole will align to one guide hole of the disk seat; and

an air pressure cylinder being installed above the material guide hole; a piston of the air pressure cylinder entering into the longitudinal path from the material guide hole and the guide hole so as to move between an upper extreme point and a lower extreme point.

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- 4. The food shaping device for forming a three-layered food as claimed in claim 1, further comprising:
- a cut device being installed below the output device; the cylindrical food entering into a central hole of the cut device; the cut device having a plurality of knifes which can seal the central hole so as to cut of the cylindrical food to form a plurality of ball-like foods; the ball-like foods will fall to a transfer belt for being outputted; each ball-like food has the inner layer material, the middle layer material, and the outer layer material.
- 5. The food shaping device for forming a three-layered food as claimed in claim 1, wherein inner walls of the two guide units are installed with a plurality of line shape concave portions so as to drive the dough to move downwards in the two guide units so that the stuffing moves smoothly.
- 6. The food shaping device for forming a three-layered food as claimed in claim 1, wherein bottoms of the second receiving tank and first receiving tank have a stepped difference so that the dough in the second receiving tank is transferred to the first receiving tank rapidly.

- 7. The food shaping device for forming a three-layered food as claimed in claim 1, wherein the stuffing is one of powdered stuffing and particle stuffing.
- 8. The food shaping device for forming a three-layered food as claimed in claim 1, wherein an angle between the first path and the second receiving tank is between 90 to 130 degrees.

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